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(12) # EUROPEAN PATENT APPLICATION

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(54) **Switching device.**

(57) A switching device is characterized by having a periodical layer structure of an organic insulator between a pair of electrodes and having memorizability with respect to switching characteristics. The layer structure is formed of an amphiphilic compound according to the LB method.

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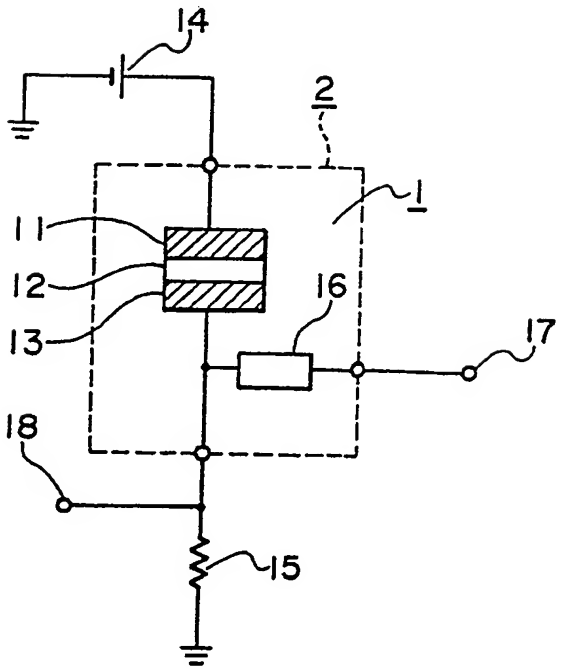
FIG.1



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	APPLIED PHYSICS LETTERS vol. 31, no. 9, 1st November 1977, pages 553-555, New York, U.S.A.; CHUN CHIANG: "A model of switching and negative resistance phenomenon in organic thin film with dipoles". * figures 1,2; page 553 *	1,45,46	H 01 L 29/28 H 01 L 45/00
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TECHNICAL FIELDS SEARCHED (Int. Cl.4)

H 01 L 29/28
H 01 L 45/00
B 05 D 1/12
G 11 C 11/22
G 11 C 19/30
H 01 B 1/12

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
BERLIN	20-02-1989	JUHL A.

CATEGORY OF CITED DOCUMENTS

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P,X	EP-A-0 232 829 (KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA) * abstract; page 54, paragraph 3; claims * ---	1-3,41, 42	
Y	DE-A-3 242 712 (BAYER) * abstract * ---	27	
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